

ABSTRACT OF THE INVENTION

A polyphase claw-pole armature for an electrical machine is made with several identical segments regularly distributed along the direction of motion and spaced by a magnetic air gap. The number of segments is equal or a multiple of the number of winding phases. Each segment includes a magnetic circuit with a plurality of claws arranged in a plurality of rows, with the base of each claw connected to a common yoke. One or a plurality of non-interlaced coils are included inside each segment, with the coils being wound around the bases of corresponding claws.